1   **REDUCING HEAD GAIN CALIBRATION TIME IN A DISK DRIVE**

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3   <u>**ABSTRACT**</u>

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5   A method for reducing a servo channel head gain calibration time comprising

6   initiating a servo channel head gain calibration process for a head corresponding to the

7   selected disk surface; obtaining a head gain calibration value for a pre-selected zone in the

8   selected disk surface; comparing the obtained calibration value with a pre-stored calibration

9   value for the pre-selected zone and generating a comparison result; and stopping the

10   calibration process for the head if the comparison result does not exceed a threshold value.